

Message

From: Gillespie, Andrew [Gillespie.Andrew@epa.gov]
Sent: 9/21/2017 4:57:33 PM
To: McMillan, Larry - RTP [McMillan.Larry-RTP@epa.gov]; Strynar, Mark [Strynar.Mark@epa.gov]
CC: McCord, James [mccord.james@epa.gov]; Buckley, Timothy [Buckley.Timothy@epa.gov]
Subject: RE: potential PFAS bioassay project - cape Fear River
Attachments: NCDEQ Cape Fear Water Samples.xlsx

Importance: High

Larry – one question – for week 6, does one of the samples correspond to ‘Chemours Outfall 002’ as in the other weeks? I can’t tell from the sample names.

Mark – I added estimated concentrations for each analyte to some of the rows (corresponding to data reported in the August 31 letter to NC DEQ). I am trying to give NCCT an idea of the range of sample concentrations, so they can select a subset of samples that covers the whole range.



NCDEQ Cape
Fear Water Sam...

If you can easily get me access to the rest of the concentration information, or if you have it in a summarized format, I will add it to this; otherwise I plan to give NCCT what I have today as a start, and maybe you and Keith can talk later about which samples might best characterize the range of concentrations for the two groups in the mixture.

Thanks, Andy

Andrew J. R. Gillespie, Ph. D.
Associate Director
US EPA/ORD/NERL

From: McMillan, Larry - RTP
Sent: Thursday, September 21, 2017 11:02 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Gillespie, Andrew <Gillespie.Andrew@epa.gov>
Cc: McCord, James <mccord.james@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>
Subject: RE: potential PFAS bioassay project - cape Fear River

Hi Andrew,

Please see attached spreadsheet of the NCDEQ Cape Fears water sample extracts volumes in ml.

Larry McMillan
SEE Scientist IV
USEPA-NERL-EMAB
Voice 919-541-5657
Fax 919-541-0905
MD E-205-04

From: Strynar, Mark

Sent: Wednesday, September 20, 2017 2:07 PM

To: Gillespie, Andrew <Gillespie.Andrew@epa.gov>

Cc: McCord, James <mccord.james@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; McMillan, Larry - RTP <McMillan.Larry-RTP@epa.gov>

Subject: RE: potential PFAS bioassay project - cape Fear River

Thanks Andy.

Mark

From: Gillespie, Andrew

Sent: Wednesday, September 20, 2017 1:06 PM

To: Strynar, Mark <Strynar.Mark@epa.gov>

Cc: McCord, James <mccord.james@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; McMillan, Larry - RTP <McMillan.Larry-RTP@epa.gov>

Subject: RE: potential PFAS bioassay project - cape Fear River

Attached, thanks, I think I know the sites (rows) now, please correct the dates (columns) as needed, and put the number of samples and total volume in each cell.

Thanks, Andy

Andrew J. R. Gillespie, Ph. D.

Associate Director

US EPA/ORD/NERL

From: Strynar, Mark

Sent: Wednesday, September 20, 2017 1:02 PM

To: Gillespie, Andrew <Gillespie.Andrew@epa.gov>

Cc: McCord, James <mccord.james@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; McMillan, Larry - RTP <McMillan.Larry-RTP@epa.gov>

Subject: RE: potential PFAS bioassay project - cape Fear River

Andy,

I have asked Larry McMillan to do this for us today. I seem to recall you sent an Excel spreadsheet to begin populating. I can't seem to find it. Can you send it on to Larry?

Thanks,

Mark

From: Gillespie, Andrew

Sent: Sunday, September 17, 2017 9:30 PM

To: Strynar, Mark <Strynar.Mark@epa.gov>

Cc: McCord, James <mccord.james@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>

Subject: RE: potential PFAS bioassay project - cape Fear River

Ex. 5 Deliberative Process (DP)

Thanks, Andy

From: Gillespie, Andrew
Sent: Tuesday, September 12, 2017 4:34 PM
To: Strynar, Mark <strynar.mark@epa.gov>
Cc: McCord, James <mccord.james@epa.gov>
Subject: RE: potential PFAS bioassay project - cape Fear River

Ex. 5 Deliberative Process (DP)

Thanks, Andy

From: Strynar, Mark
Sent: Tuesday, September 12, 2017 4:10 PM
To: Gillespie, Andrew <Gillespie.Andrew@epa.gov>
Cc: McCord, James <mccord.james@epa.gov>
Subject: RE: potential PFAS bioassay project - cape Fear River

We will get to this as soon as we can.

Until then here is a map link from NC DEQ for sampling sites. <https://deq.nc.gov/news/hot-topics/genx-investigation/genx-sampling-sites>

And one for the full GenX investigation <https://deq.nc.gov/news/hot-topics/genx-investigation>

Ex. 5 Deliberative Process (DP)

Mark

From: Gillespie, Andrew
Sent: Tuesday, September 12, 2017 3:35 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>

Cc: McCord, James <mccord.james@epa.gov>

Subject: RE: potential PFAS bioassay project - cape Fear River

Ex. 5 Deliberative Process (DP)

Thanks, Andy

From: Strynar, Mark

Sent: Tuesday, September 12, 2017 3:08 PM

To: Gillespie, Andrew <Gillespie.Andrew@epa.gov>

Cc: McCord, James <mccord.james@epa.gov>

Subject: RE: potential PFAS bioassay project - cape Fear River

Ex. 5 Deliberative Process (DP)

Mark

From: Gillespie, Andrew

Sent: Tuesday, September 12, 2017 2:03 PM

To: Strynar, Mark <Strynar.Mark@epa.gov>

Subject: RE: potential PFAS bioassay project - cape Fear River

Thanks Mark, couple of follow ups...

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Thanks, Andy

From: Strynar, Mark
Sent: Tuesday, September 12, 2017 12:56 PM
To: Gillespie, Andrew <Gillespie.Andrew@epa.gov>; Houck, Keith <Houck.Keith@epa.gov>; Crofton, Kevin <Crofton.Kevin@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>
Subject: RE: potential PFAS bioassay project - cape Fear River

I had some comments on the document.

Mark
<< File: Study Plan Outline MJS comments.docx >>

From: Gillespie, Andrew
Sent: Monday, September 11, 2017 5:08 PM
To: Houck, Keith <Houck.Keith@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Crofton, Kevin <Crofton.Kevin@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>
Subject: potential PFAS bioassay project - cape Fear River

Colleagues – this is a follow up to a phone conversation I have had with most of you (sorry Keith, have not chatted with you yet) about a potential NERL/NCCT collaboration on bioassays of Cape Fear river water

Tim Buckley asked me to work with you all to facilitate the proposed bioassay collaboration. I know you are all busy and I do not want to impose any unnecessary structure, but some written study plan might be helpful particularly given the growing interest at the ORD level in this topic in general, and tox testing of PFAS in particular.

Attached is a first cut at what I think I know about the proposed project – an objective, list of players and roles, some background on the available samples, and some potential questions that could be addressed. And at the end a list of some of the issues I assume need to be addressed if they have not been already. Likely naive (since I am a forester and a statistician, not a chemical guy) but at least something to start with. Also attached is an overview of the Cape Fear river data.

<< File: Study Plan Outline.docx >> << File: NC DEQ nontargeted results f2f RTP report08282017.pdf >>

If someone already has developed something like this or better, please feel free to discard mine (and please share yours). Otherwise, if you (in particular Keith and Mark) could take some time and give me a quick reaction, corrections, elucidations, and any answers to the questions, that would help me communicate within ORD. If you just want to mark this draft up or send me other background, I would be happy to incorporate and start working to a concise study plan. If there is interest in some discussion, please let me and Kevin know and we can work to set something up.

Will share future iterations back to the group. Hope this is helpful, thanks, Andy